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PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Frank L. Hall

Serial No.: 10/791,190

Filed: March 2, 2004

For: METHODS FOR PREPARING BALL  
GRID ARRAY SUBSTRATES VIA USE OF  
A LASER

Confirmation No.: 1971

Examiner: S. Heinrich

Group Art Unit: 1725

Attorney Docket No.: 2269-4718.3US  
(00-0316.03/US)

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

March 25, 2005  
Date  
Leta M. Howard  
Signature  
Leta M. Howard  
Name (Type/Print)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08A be considered by the Examiner and made of record. Copies of U.S. patents are not being submitted pursuant to M.P.E.P. 609 III A(2). The listed documents were cited by the Office in co-pending application Serial No. 10/706,575 filed on November 12, 2003, and Serial No. 10/791,194 filed on March 2, 2004, and directed to a related invention.

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicant herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

<u>U.S. Patent Documents</u>		
<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
US - 4,746,390	05/1988	Badalec et al.
US - 5,950,071	09/1999	Hammond et al.
US - 6,670,222	12/2003	Brodsky
US - 2003/0003688	01/2003	Tandy et al.

Applicant offers to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed after the mailing date of the first Office Action on the merits.

The fee pursuant to 37 C.F.R. § 1.17(p) is enclosed.



Serial No. 10/791,190

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Respectfully submitted,

A handwritten signature in black ink that reads "James R. Duzan". The signature is written in a cursive style.

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Enclosures: Form PTO-1449 or PTO/SB/08

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	1
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*Complete if Known*

Application Number	10/791,190
Filing Date	March 2, 2004
First Named Inventor	Frank L. Hall
Group Art Unit	1725
Examiner Name	S. Heinrich
Attorney Docket Number	2269-4718.3US (00-0316.03/US)

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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